|  | Index of Claims |          |          |           |           |          |           |              |              |                               |            |       |          | Application No. |              |            |                    |           |           |                    |               |        | Applicant(s)     |             |         |            |                 |           |   |              |   |  |
|--|-----------------|----------|----------|-----------|-----------|----------|-----------|--------------|--------------|-------------------------------|------------|-------|----------|-----------------|--------------|------------|--------------------|-----------|-----------|--------------------|---------------|--------|------------------|-------------|---------|------------|-----------------|-----------|---|--------------|---|--|
|  |                 |          |          |           |           |          |           |              |              |                               |            |       |          | 09/830,928      |              |            |                    |           |           |                    |               |        | SHIMAZAKI ET AL. |             |         |            |                 |           |   |              |   |  |
|  |                 |          |          |           |           |          |           |              |              |                               |            |       |          | U9/830,928      |              |            |                    |           |           |                    |               |        | Art Unit         |             |         |            |                 |           |   |              |   |  |
|  |                 |          |          |           |           |          |           |              |              |                               |            |       |          |                 |              | ·· · · · · |                    |           |           |                    |               |        |                  |             |         |            |                 |           |   |              |   |  |
|  |                 |          |          |           |           |          |           |              |              |                               |            |       |          |                 | Tianjie Chen |            |                    |           |           |                    |               |        |                  | 2652        |         |            |                 |           |   |              |   |  |
|  |                 |          |          |           |           |          |           |              |              |                               |            |       |          |                 |              |            |                    |           |           |                    |               |        |                  |             |         |            |                 |           | 7 |              |   |  |
|  | √ Reje          |          |          |           |           |          | Rejected  |              |              | (Through numer<br>  Cancelled |            |       |          | "'              |              |            | on-l               | n-Elected |           |                    | A             | Appeal |                  |             |         |            |                 |           |   |              |   |  |
|  |                 |          |          |           |           |          |           |              | +            |                               |            |       |          |                 | 1            | H          |                    |           |           | $\vdash$           |               |        |                  | $\dashv$    |         |            |                 |           |   |              |   |  |
|  |                 |          | =        | Allowed   |           |          | d         |              |              | ÷                             | Restricted |       | l        |                 |              |            | In                 | teri      | eren      | ice                |               | 0      | C                | Obje        | cte     | d          |                 |           |   |              |   |  |
|  | <u> </u>        |          |          |           |           |          |           |              |              |                               |            |       |          |                 |              |            |                    | L         |           |                    |               |        | 1                |             |         |            |                 |           |   |              |   |  |
|  | Claim           |          |          | Date      |           |          | Date<br>T | e<br>        |              | $\overline{}$                 | Claim      |       | _        | Da<br>          |              | e<br>I I   | 1                  | ┰┰┫       |           | _Cl                | aim           | Н      | _                | Date        |         |            | <del></del>     | Н         |   |              |   |  |
|  | Finat           | Original |          |           |           |          |           |              |              |                               |            | Final | Original | 1/19/05         |              |            |                    |           |           |                    |               | Final  | Original         |             |         |            |                 |           |   |              |   |  |
|  | Fir             | Orig     |          |           |           | ı        |           |              |              |                               |            | 谨     | Orig     | 1/1             |              |            |                    |           |           |                    |               | ιĒ     | Orig             |             | ı       |            |                 |           |   |              |   |  |
|  |                 | 1        |          | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$     | +            | +                             | 1          |       | 51       | R               | +            | ╁          | ╁                  | Н         | $\dashv$  | +                  | -             |        | 101              |             | +       | ╁╌         | ╁╌┧             | $\dashv$  | + | Н            |   |  |
|  |                 | 2        |          |           |           |          |           |              | 1            |                               | 1          |       | 52       | R               |              |            |                    |           |           |                    |               |        | 102              |             |         |            |                 |           |   |              |   |  |
|  |                 | 3        | Н        | $\dashv$  | -         |          | -         | $\dashv$     | +            | +                             | +          |       | 53<br>54 | R               | +            | +          | ╁                  | Н         | 4         | -                  | -             |        | 103<br>104       | $\vdash$    | -       | +          | H               | $\dashv$  | + | Н            |   |  |
|  |                 | 5        | Н        |           | 7         | 7        |           | $\dashv$     | $\dagger$    | +                             | 1          |       |          | R               | +            | +          | +                  | Н         |           | 十                  | ┪ :           |        | 105              |             |         | +          |                 | +         |   | Н            |   |  |
|  |                 | 6        |          |           | $\Box$    | $\Box$   |           | 4            |              | $\perp$                       | ]          |       |          | R               | 4            |            | ļ                  |           | $\Box$    |                    | ].            |        | 106              |             |         |            | П               |           |   |              |   |  |
|  |                 | 7<br>8   | $\vdash$ | $\dashv$  | -         | $\dashv$ | $\dashv$  | $\dashv$     | +            | ╁                             | ┨╏         |       | 57<br>58 | R<br>R          | +            | +          | ╁                  | Н         | _         | -                  | -             |        | 107<br>108       | ╁╌┤         | -       | +          | H               | $\dashv$  | - | H            |   |  |
|  |                 | 9        |          |           |           |          |           | 士            |              | 士                             | 1          |       | 59       | R               | $\top$       | $\top$     | $\dagger$          |           |           |                    | ]             |        | 109              |             |         |            |                 | $\exists$ | _ | $\vdash$     |   |  |
|  |                 | 10       |          |           | $\dashv$  | $\dashv$ |           | $\perp$      | $\perp$      |                               | ]          |       | 60       | R               | $\perp$      | $\perp$    | 1                  |           | _         |                    |               |        | 110              | П           |         | $\perp$    | Ш               |           |   |              |   |  |
|  |                 | 11<br>12 | $\vdash$ | $\dashv$  | $\dashv$  | $\dashv$ | +         | +            | +            | ╁                             | ┨.         |       | 61<br>62 | 0               | +            | +          | +                  | Н         | $\dashv$  | +                  | -             |        | 111<br>112       | H           | +       | +          | $\vdash$        | $\dashv$  | - | Н            |   |  |
|  |                 | 13       |          |           |           |          | $\Box$    |              | 1            |                               | ę.         |       | 63       | 0               | 土            |            |                    |           |           |                    |               |        | 113              |             |         |            |                 |           |   |              |   |  |
|  |                 | 14<br>15 | Н        | $\dashv$  | $\dashv$  | $\dashv$ | -         | -            | +            | +-                            | -          |       | 64<br>65 | R<br>R          | +            | +          | ╁                  | Н         | 4         | $\dashv$           | -             | _      | 114<br>115       | $\vdash$    | -       | +          | $\vdash$        | -         | - | Н            |   |  |
|  |                 | 16       | Н        | H         | 1         | $\dashv$ | $\dashv$  | $\dashv$     | +            | +                             | 1          |       | 66       | R               | +            | +          | $\dagger$          | Н         |           | -                  | 1             |        | 116              | $\vdash$    | _       | +          |                 | _         | _ | H            |   |  |
|  |                 | 17       |          |           |           | -        | $\Box$    |              | 1            | T                             | ]          |       | 67       | R               | 4            | $\bot$     | 1                  |           |           | 4                  |               |        | 117              | П           |         | lacksquare |                 |           |   |              |   |  |
|  |                 | 18<br>19 | Н        | $\dashv$  | $\dashv$  | $\dashv$ | $\dashv$  | +            | +            | +                             | -          |       | 68<br>69 | R<br>R          |              | +          | ╁                  | Н         | 4         | +                  | -             |        | 118<br>119       | $\vdash$    | +       | -          | $\vdash$        |           | - | H            |   |  |
|  |                 | 20       |          |           |           |          |           |              |              |                               | 1          |       | 70       | R               |              |            |                    |           |           |                    | ] :           |        | 120              |             |         |            |                 |           |   |              |   |  |
|  |                 | 21<br>22 |          |           | $\dashv$  | _        |           | 4            | $\perp$      | $\perp$                       | ]          |       | 71<br>72 | R<br>R          | _            | - -        | igapha             |           | _         |                    | 4             |        | 121<br>122       |             |         | <u> </u>   |                 |           | _ | Ш            |   |  |
|  |                 | 23       | $\vdash$ | $\vdash$  | $\dashv$  | $\dashv$ | $\dashv$  | +            | +            | +                             | 1          |       | 73       | R               | $\dashv$     | ╁          | +                  | Н         | $\dashv$  | -                  | $\dashv$      |        | 123              | $\vdash$    | +       | +          | $\vdash$        | $\dashv$  | + | Н            |   |  |
|  |                 | 24       |          |           |           |          |           |              |              |                               | 1          |       | 74       | R               |              |            |                    |           |           |                    | ] .           |        | 124              |             |         |            |                 |           |   |              |   |  |
|  |                 | 25<br>26 | H        | $\square$ | $\dashv$  | $\dashv$ | -         | -            | +            | +-                            | -          |       | 75<br>76 | R               | +            | +          | ╀                  | Н         | 4         | $\dashv$           | -             |        | 125<br>126       | $\vdash$    |         | ļ          | Н               | $\dashv$  | + | Н            |   |  |
|  |                 | 27       |          | H         | $\exists$ | _        | $\exists$ | 士            | $\dagger$    | +                             | 1          |       | 77       | R               | _            | +          | 士                  | Н         | $\exists$ | $\dashv$           | -             |        | 127              | $  \cdot  $ | +       | +          | H               | +         |   | H            |   |  |
|  |                 | 28       |          |           | $\exists$ | $\Box$   | 7         | 7            | 1            | $\bot$                        | ]          |       | 78       | R               | 丰            | Ţ          | $oxed{\Box}$       | П         | $\Box$    | 耳                  | ] .           |        | 128              | П           |         | 1          | Ц               |           |   | П            |   |  |
|  |                 | 29<br>30 | Н        | $\vdash$  | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$     | +            | ┿                             | -          |       | 79<br>80 |                 | +            | +          | ╁╴                 | Н         | -         | +                  | -             |        | 129<br>130       | $\vdash$    | +       | ╁          | $\vdash$        |           |   | $\vdash$     |   |  |
|  |                 | 31       |          |           | $\exists$ |          |           | 士            |              |                               | 1          |       | 81       | R               | $\top$       | $\pm$      |                    |           |           | 1                  | _             |        | 131              | Ħ           |         | +          |                 |           |   |              |   |  |
|  |                 | 32       | Ш        |           | 4         |          | _         |              | 4            |                               | ]          |       |          | R               | _            | _          |                    | Ш         |           | _                  | ]             |        | 132              | Ш           | $\perp$ | $\perp$    | П               |           |   | П            |   |  |
|  |                 | 33<br>34 | Н        |           |           | _        | +         | $\dashv$     | +            | +                             | ┨          |       | 83<br>84 | O<br>R          | +            | +          | +-                 | Н         | _         | -                  | $\dashv$      |        | 133<br>134       | Н           | +       | +          | $\vdash$        | $\dashv$  | + | Н            |   |  |
|  |                 | 35       |          |           | ⇉         |          | $\Box$    | ightharpoons |              |                               | ]          |       | 85       | R               |              |            |                    |           |           |                    | ]             |        | 135              | П           |         |            |                 |           |   |              | • |  |
|  |                 | 36<br>37 | Н        | Н         | _         | _        | _         |              | +            | +                             | ┦╏         |       | 86<br>87 | R<br>R          | _            | -          | $oldsymbol{\perp}$ | Н         | $\dashv$  | $\dashv$           | 4             |        | 136<br>137       |             |         | -          | $\vdash$        |           | _ | $\vdash$     |   |  |
|  | _               | 38       | Н        |           | $\dashv$  |          | _         | $\top$       | +            | +                             | 1          |       | 88       | =               | +            | +          | +                  | H         | $\dashv$  | +                  | $\dashv \mid$ | _      | 138              | H           | +       | +          | H               | $\dashv$  | + | H            |   |  |
|  |                 | 39       |          | $\Box$    |           |          | 1         | 1            | $\downarrow$ | $\perp$                       | ] ]        |       | 89       | =               |              | $\perp$    | 上                  |           | $\Box$    | $\dashv$           | ]             |        | 139              | П           |         |            | 口               | $\Box$    |   | 口            |   |  |
|  | _               | 40<br>41 | Н        | $\dashv$  | $\dashv$  |          | +         | +            | +            | +                             | 1          |       | 90<br>91 | =               | +            | +          | -                  | Н         | $\dashv$  | +                  | $\dashv \mid$ |        | 140<br>141       | $\vdash$    | +       | +          | $\vdash \vdash$ | $\dashv$  | + | Н            |   |  |
|  |                 | 42       |          |           |           |          |           |              | 士            |                               | 1          |       | 92       | $\rightarrow$   |              | 士          |                    |           | ╛         |                    | _             |        | 142              |             | 士       |            |                 | 寸         |   |              |   |  |
|  |                 | 43       |          |           | 1         | 1        | $\dashv$  | $-\Gamma$    | $\bot$       | 1                             | 4          |       | 93       | =               | T            | $\bot$     |                    |           | $\Box$    | $\Box$             | ]             |        | 143              | П           |         |            | П               | $\dashv$  |   | П            |   |  |
|  |                 | 44<br>45 | H        |           | $\dashv$  | $\dashv$ | +         | $\dashv$     | +            | +                             | 1          |       | 94<br>95 | =               | +            | +-         | +                  | Н         | $\dashv$  | +                  | $\dashv$      | -      | 144<br>145       | $\vdash$    | +       | +          | $\vdash$        | $\dashv$  | + | $\mathbb{H}$ |   |  |
|  |                 | 46       | П        |           | $\Box$    | $\Box$   |           | $\perp$      | $\downarrow$ | 工                             | 1          |       | 96       |                 | 土            | I          |                    |           |           | $\perp$            | ]             |        | 146              |             |         | $\perp$    | ╚               |           |   |              |   |  |
|  |                 | 47<br>48 | Н        |           | 4         | 4        | 4         | +            | +            | +                             | ┦ }        |       | 97       | $\sqcup$        | $\perp$      | +          | -                  | $\sqcup$  | $\dashv$  | 4                  | 4 !           |        | 147              | $\Box$      | 1       | $\perp$    | $\Box$          | _[        | _ | Ц            |   |  |
|  |                 | +0       | ш        |           |           |          |           |              |              |                               | . l        |       | 98       | ш               |              |            | 1                  | ш         |           | $oldsymbol{\perp}$ | _             |        | 148              | $\sqcup$    |         |            | L l             |           |   | ш            |   |  |